

CLAIMS

- [1] An anti-Newton ring sheet having an anti-Newton ring layer comprising a binder compound and fine particles and formed on one surface of a transparent substrate, wherein said binder compound comprises ionizing radiation curable organic-inorganic hybrid resin or a mixture of ionizing radiation curable resin and other resin component than ionizing radiation curable resin, and the content of other resin component is not less than 0.1 weight % and not more than 15 weight %.
- [2] The anti-Newton ring sheet of Claim 1, wherein the content of said fine particles is not less than 0.1 weight % and not more than 1.0 weight % of all solid contents in the anti-Newton ring layer.
- [3] The anti-Newton ring sheet of Claim 1 or Claim 2, wherein the content of said other resin component is thermoplastic resin.
- [4] The anti-Newton ring sheet of any one of Claims 1 to 3, wherein the glass transition temperature of said other resin component is not lower than 50°C and not higher than 120°C.
- [5] The anti-Newton ring sheet of any one of Claims 1 to 4, wherein the mean particle diameter of the fine particles is not less than 0.5 μm and not more than 3.0 μm .
- [6] The anti-Newton ring sheet of any one of Claims 1 to 5, wherein the coefficient of variation of the particle diameter distribution of the fine particles is not less than 20% and not more than 80%.
- [7] An anti-Newton ring sheet having an anti-Newton ring layer comprising a binder component and fine particles and formed on one surface of a transparent substrate, wherein said binder compound comprises ionizing radiation curable resin, and the mean diameter of the fine particles is not less than 0.5 μm and not more than 3.0 μm and the coefficient of variation of the particle diameter distribution of the fine particles is not less than 20% and not more than 80%.
- [8] The anti-Newton ring sheet of any one of Claims 1 to 7, wherein the thickness of the anti-Newton ring layer is not less than 0.2 μm and not more than 3.5 μm .

[9] The anti-Newton ring sheet of any one of Claims 1 to 8, wherein a hard coat layer containing particles is formed on other surface of the transparent substrate.

[10] The anti-Newton ring sheet of Claim 9, wherein the haze according to JIS K7136:2000 is 20% or lower.

[11] A touch panel of resistive type comprising a pair of panels coated by a conductive film and arranged via spacer so that the conductive films on both panels face each other, wherein either or both of the conductive films is formed on the anti-Newton ring layer of the anti-Newton ring sheet of any one of Claims 1 to 9.